

ABSTRACT OF THE DISCLOSURE

Disclosed is a communication system for selecting a PLMN (Public Land Mobile Network). In the communication system, an MS (Mobile Station) transmits an MIN (Mobile Identification Number) message, an ESN (Electronic Serial Number) message and a location update request signal containing location information such that the MS's location can be registered, and searches for the PLMN on the basis of an HPLMN search period value corresponding to the location update request signal. An MSC (Mobile Switching Center) performs an authentication procedure for the MS transmitting the location update request signal, and extracts the location information from the location update request signal. A VLR (Visitor Location Register) stores subscriber data of the MS provided from outside the MS and registers a location of the MS. An HLR (Home Location Register) updates the location information of the MS extracted from the MSC, variably sets a search period value at a time of searching for an HPLMN or higher-priority PLMN on the basis of the location information of the MS, and transmits the set search period value to the MS.